

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW INTERSECTION CONTROL BEACON AT THE INTERSECTION OF MD 2/4 AND MD 765 - COSTER RD./MILL BRIDGE RD. IN CALVERT COUNTY. MD 2/4 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A FLASHING MODE WITH MD 2/4 SIGNAL INDICATIONS FLASHING YELLOW AND MD 765, COSTER RD./MILL BRIDGE RD. SIGNAL INDICATIONS FLASHING RED.

CONTROLLER REQUIREMENTS

INSTALL A NEMA SIZE "6" BASE-MOUNTED CABINET, A TWO-CIRCUIT FLASHER UNIT WITH PHOTO-CELL, DIMMER SWITCH AND INTERSECTION MONITOR II, WITH BATTERY BACK-UP FOR PHONE DROP.

SPECIAL NOTE

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER AT (410)787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

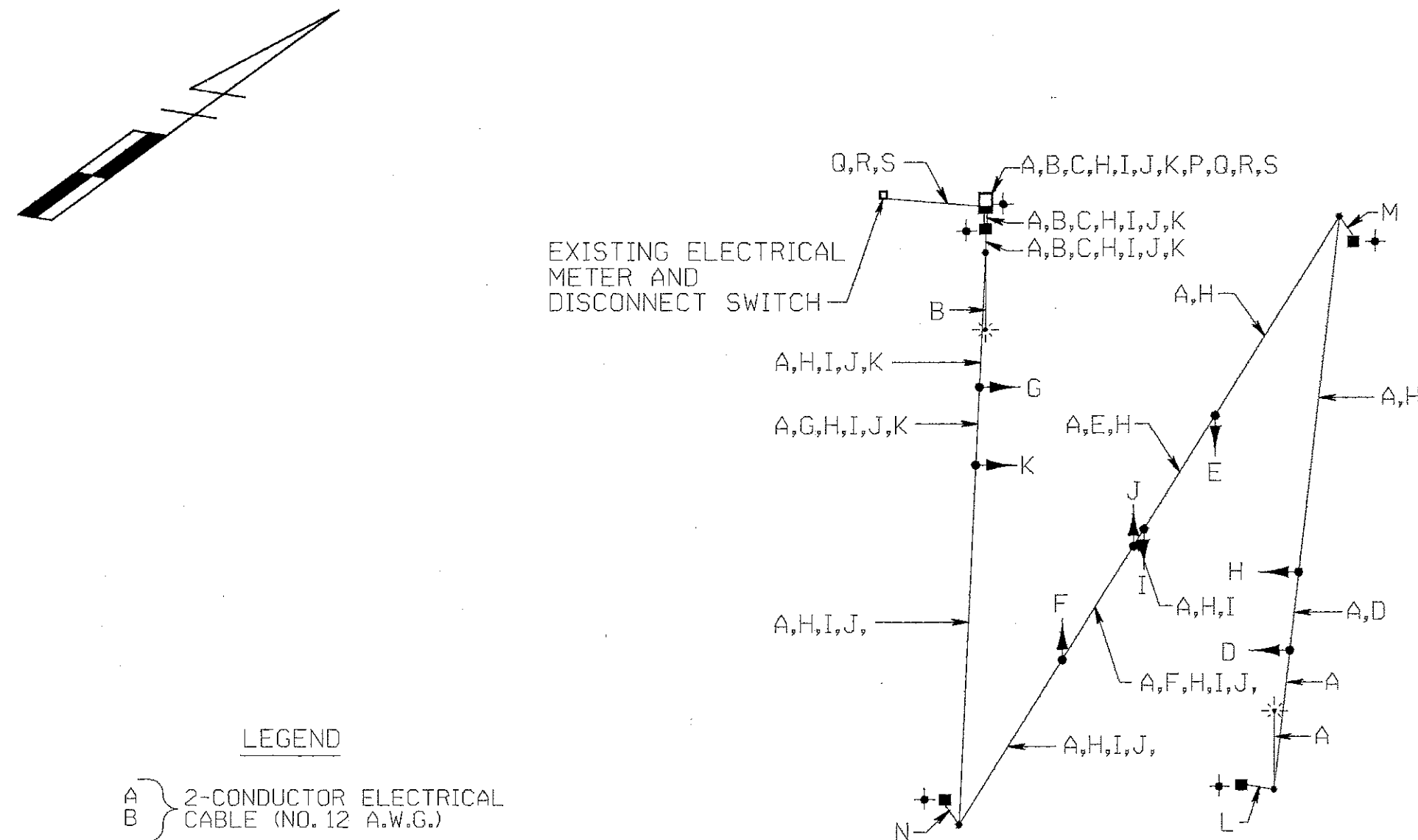
ITEM NO.	QUANTITY	DESCRIPTION
9001	1 EACH	TWO CIRCUIT FLASHER UNIT WITH PHOTO-CELL DIMMER SWITCH AND INTERSECTION MONITOR II WITH BATTERY BACK-UP FOR PHONE DROP HOUSED IN A NEMA SIZE "6" BASE MOUNTED CABINET
9002	1 EACH	12 IN., ONE-WAY, ONE-SECTION (Y) TRAFFIC SIGNAL HEAD WITH ADJUSTABLE BRACKET FOR SPAN WIRE MOUNTING AND TUNNEL VISORS
9003	4 EACH	12 IN., ONE WAY, ONE SECTION (R) TRAFFIC SIGNAL HEAD WITH ADJUSTABLE BRACKET FOR SPAN WIRE MOUNTING AND TUNNEL VISORS
9004	37 S.F.	SHEET ALUMINUM SIGNS - 2 EACH M3-3 SIGN (24 IN. X 12 IN.) POLE MOUNTED - 2 EACH M3-1 SIGN (24 IN. X 12 IN.) POLE MOUNTED - 4 EACH M1-6 SIGN (30 IN. X 24 IN.) POLE MOUNTED - 4 EACH M6-1 SIGN (21 IN. X 15 IN.) POLE MOUNTED

EQUIPMENT LIST "B"

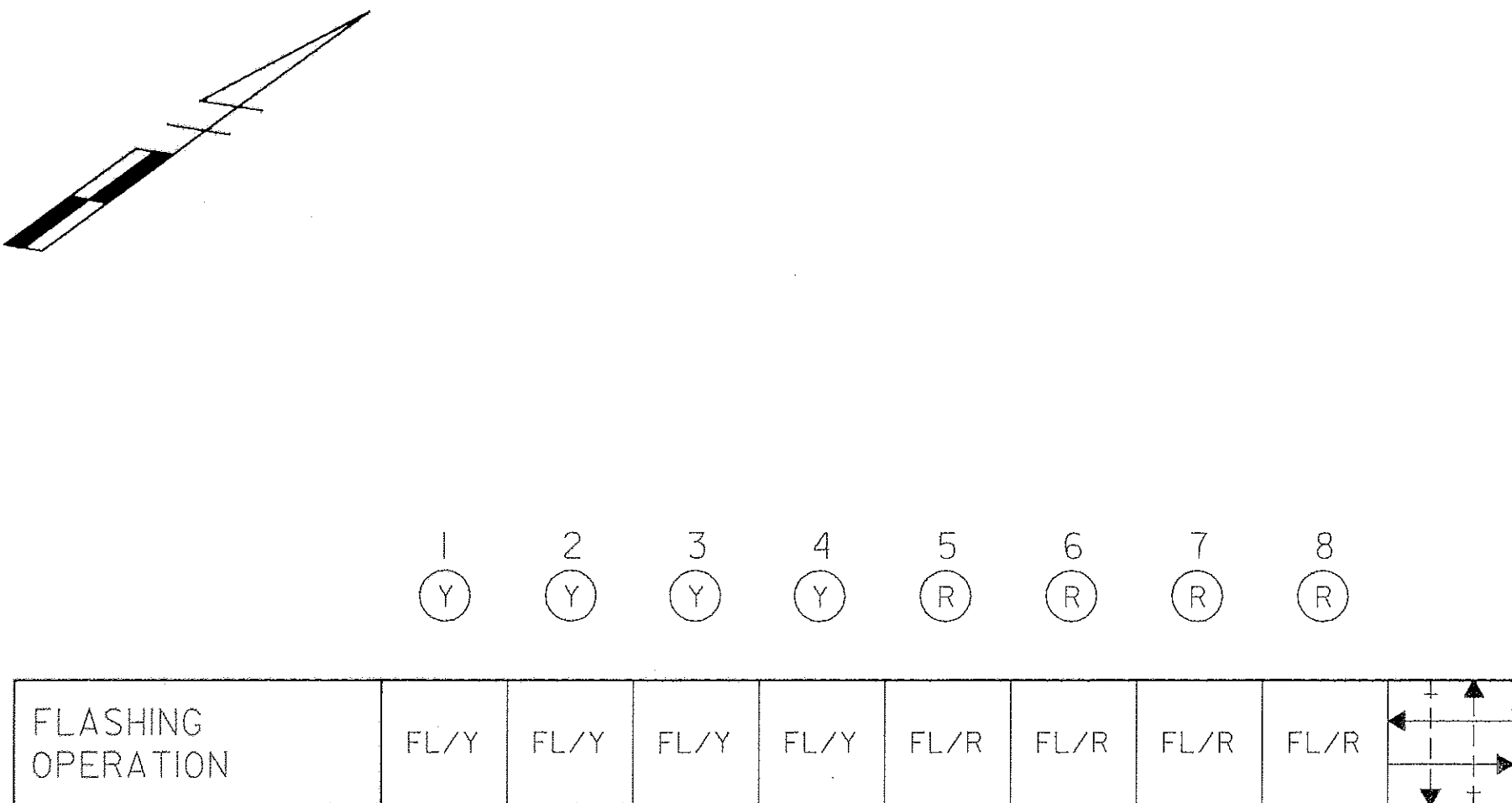
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EACH	MAINTENANCE OF TRAFFIC
2001	4 C.Y.	TEST PIT EXCAVATION
5005	90 L.F.	24 IN. WHITE PERMANENT PREFORMED PAVEMENT MARKING TAPE
8001	20 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8103	12,052 LBS	FURNISH AND INSTALL STRAIN POLE
8009	600 L.F.	FURNISH AND INSTALL STEEL SPAN WIRE - 3/8 IN. DIAMETER
8011	8 EACH	INSTALL SIGNAL HEAD
8019	1 EACH	INSTALL CONTROLLER AND CABINET-BASE MOUNT
8025	30 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 40 RIGID PVC CONDUIT-TRENCHED
8031	25 L.F.	FURNISH AND INSTALL 4 IN. SCHEDULE 40 RIGID PVC CONDUIT-TRENCHED
8035	4 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8076	1 EACH	FURNISH AND INSTALL CONTROL AND DISTRIBUTION EQUIPMENT
8037	5 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN. DIAMETER X 10 FT. LENGTH
8046	60 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE- 3 CONDUCTOR (NO. 14 A.W.G.)
8047	140 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE- 5 CONDUCTOR (NO. 14 A.W.G.)
8048	1400 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE- 7 CONDUCTOR (NO. 14 A.W.G.)
8049	730 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE- 2 CONDUCTOR (NO. 12 A.W.G.)
8052	60 L.F.	FURNISH AND INSTALL STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
8053	120 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE- 1 CONDUCTOR (NO. 4 A.W.G. - THHN/THWN)
8056	37 S.F.	INSTALL GROUND MOUNTED SIGN
8059	2 EACH	FURNISH AND INSTALL 250 WATT HPS LUMINAIRE WITH PHOTOCCELL
8060	2 EACH	FURNISH AND INSTALL 20 FT LIGHTING BRACKET FOR TRAFFIC SIGNAL STRUCTURE
8061	2 EACH	REMOVE AND DISPOSE OF EXISTING FOUNDATION
8062	2 EACH	REMOVAL OF EXISTING EQUIPMENT
8063	2 EACH	DELIVERY OF REMOVED MATERIAL AND EQUIPMENT
8067	1 EACH	USE EXISTING DISK AND AS-BUILT TRAFFIC CONTROL DEVICES
8069	1 EACH	FURNISH AND INSTALL PHOTO-CELL
NEG	25 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED

WIRING DIAGRAM



PHASE CHART



EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410)787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

QUANTITY	DESCRIPTION
2	40' STEEL POLE, BRACKET ARM AND LUMINAIRE

 Whitman, Reardon and Associates ENGINEERS AND PLANNERS 2315 Saint Paul Street Baltimore, Maryland 21218 (410) 235-3450	REVISIONS	APPROVALS	REVISIONS	 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION GENERAL INFORMATION SHEET MD 2/4 AND MD 765 - COSTER RD/MILL BRIDGE RD				
		CHEF, SIGNAL DESIGN SECTION						
		ASST. DISTRICT ENGINEER, TRAFFIC						
		CHEF, TRAFFIC ENGINEERING DESIGN DIVISION						
		DIRECTOR, OFFICE OF TRAFFIC & SAFETY		DATE: 7-28-95	DRAWN BY: S. BLOSS	F.A.P. NO. NHG-STPG-0006482E	PLAN SHEET NO. T5-3527GI	SHEET NO. OF
				SCALE: NONE	DESIGNED BY: I. ZAYDEL	S.H.A. NO. AW-104-50F585		
				APPROVED BY:	CHECKED BY: I. HANNAN	COUNTY: CALVERT		